

1 Claims

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3 1. A sheet material comprising a lead layer and a
4 leach-preventative coating, wherein the leach-
5 preventative coating comprises an ultra-violet cured
6 non-brittle solid film layer.

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8 2. The sheet material as claimed in Claim 1 wherein
9 leach-preventative coating comprises an acrylic
10 based polymer.

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12 3. The sheet material as claimed in Claim 1 or Claim 2
13 wherein the leach-preventative comprises an epoxy
14 based polymer.

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16 4. The sheet material as claimed in any of Claims 1 to
17 3 wherein the leach-preventative coating may
18 comprise a mixture of an acrylic based polymer and
19 an epoxy based polymer.

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21 5. The sheet material as claimed in any preceding Claim
22 wherein the leach-preventative coating comprises a
23 material having a softness greater than that of
24 lead.

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26 6. The sheet material as claimed in any preceding Claim
27 wherein the leach-preventative coating comprises
28 polytetrafluoroethylene (PTFE).

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30 7. The sheet material as claimed in any preceding Claim
31 wherein the leach-preventative coating comprises
32 molybdenum disulphide.

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- 1 8. The sheet material as claimed in any preceding Claim
2 wherein the leach-preventative coating has a
3 thickness of 2 to 300 microns.
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- 5 9. The sheet material as claimed in any preceding Claim
6 wherein the leach-preventative coating comprises a
7 photoinitiator for the initiation of a radical chain
8 reaction.
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- 10 10. The sheet material as claimed any preceding Claim
11 wherein the leach-preventative coating further
12 comprises an abhorrent material for deterring pests
13 from attacking said leach-preventative coating.
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- 15 11. The sheet material as claimed in Claim 10 wherein
16 the abhorrent material includes chilli or chilli
17 pepper.
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- 19 12. The sheet material as claimed in Claim 11 wherein
20 the abhorrent material includes extract of habanero
21 pepper.
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- 23 13. A roofing material comprising the sheet material of
24 any preceding Claim.
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- 26 14. A flashing comprising the sheet material of any
27 preceding Claim.
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- 29 15. A leach-preventative coating for a sheet material
30 having a lead layer, wherein the leach-preventative
31 coating comprises an ultra-violet (UV) cured non-
32 brittle solid film layer.
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- 1 16. A method of preventing leaching of a flashing
2 material having a lead layer, the method comprising
3 the steps of applying an ultra-violet curable
4 coating having a non-brittle solid film layer to a
5 lead base layer, and UV curing the applied coating.
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- 7 17. The method as claimed in Claim 16 wherein the
8 coating comprises a solid film lubricant layer.
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- 10 18. The method as claimed in Claim 16 or Claim 17
11 wherein the coating is applied by a dipping process.
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- 13 19. The method as claimed in Claim 16 or Claim 17
14 wherein the coating is applied by a spraying
15 process.
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- 17 20. The method as claimed in Claim 16 or Claim 17
18 wherein the coating is applied by a barrel process.
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- 20 21. The method as claimed in Claim 16 or Claim 17
21 wherein the coating is applied by a brushing
22 process.
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- 24 22. The method as claimed in any of Claim 16 or Claim 17
25 wherein the lead base layer is part of a
26 construction or building.